



ALNOS ALY EASA HEGAZY

PERSONAL DATA

Name: *Alnos Aly Easa Hegazy*

Nationality: Egyptian

Date of birth 10-03-1957

Gender: Male

Marital Status: Married

E- mail: Alnos.hegazy@bhit.bu.edu.eg or hegazyalnos@yahoo.com

Present position: Associate professor in Civil Engineering Department, Benha Faculty of Engineering, Benha University, Egypt



EDUCATION

1995- 1999 **Ph. D.** 'In-situ and laboratory bearing tests for estimating bearing capacity of shallow footings subjected to inclined loads', Department of Civil Engineering, Faculty of Engineering, Assuit University, Assuit, **Egypt.**
Supervisors: **Prof. Dr. El-Kasaby, E.A. and Prof. Dr. Ramadan, E.H.**

1992-1995 **M.Sc.** 'Effect of Wastewater on The Behaviour of Fine-Grained Soils', Department of Civil Engineering, Benha Faculty of Engineering, Benha University (Previously, Benha High Institute of Technology, Ministry of Higher Education), **Egypt.**
Supervisors: **Prof. Dr. El-Kasaby, E.A. and Dr. El-Saadany, M.M.**

1975 -1980 **B.Sc.** Department of Civil Engineering, Faculty of Engineering, Assuit University, Assuit, **Egypt.**

ACADEMIC POSITIONS

June 2014 - till now Associate professor in Civil Engineering Department, Benha Faculty of Engineering, Benha University, **Egypt.**

June 2014 – Oct. 2009 Associate professor in Department of Civil Engineering, Faculty of Engineering, Northern Border University, **Kingdom of Saudi Arabia.**

Oct. 2009 – Jan. 2008 Associate professor in Civil Engineering Department, Benha Faculty of Engineering, Benha University, **Egypt.**

Jan. 2008 – Nov. 2006 Post doctorate fellow in Department of Urban Environment Development, Graduate School of Environmental Science, Okayama University, **Japan.**

Nov. 2006 –Sept. 2006 Associate professor in Civil Engineering Department, Benha Faculty of Engineering, Benha University, **Egypt.**

Sept. 2006 – Oct. 1999 Assistant professor in Civil Engineering Department, Benha Faculty of Engineering, Benha University, **Egypt.**

Oct. 1999 - May 1997 Lecturer in Civil Engineering Department, Benha Faculty of Engineering, Benha University, **Egypt.**

Oct. 1995 – Oct. 1999 Ph. D. student in Civil Engineering Department, Faculty of Engineering, Assuit University, **Egypt.**

Oct. 1992 - Oct. 1994 Ms. D. student, in Civil Engineering department, High Institute of Technology, High Education Ministry, **Egypt.**



Jan. 1985 - Oct. 1992 Construction Engineer, Designer, Consultant Engineer for many projects in Civil Engineering Works, **Kingdom Saudi Arabia and Egypt.**

Nov. 1980 - Jan. 1985 Assistant lecturer in Faculty of Engineering, Assuit University, **Egypt.**

TEACHING AND SUPERVISION EXPERINCES

- Preparations ABET (**Accreditation Board for Engineering and Technology, USA**) accreditation files of (Soil Mechanics and Foundation Engineering Part) for Department of Civil Engineering, Faculty of Engineering, Northern Border University, Kingdom of Saudi Arabia.
- Attend successful **ABET** accreditation of Department of Civil Engineering, Faculty of Engineering, Northern Border University, Kingdom of Saudi Arabia and teaching courses according ABET.
- Member in CIQAP "Continues Improvement for Quality and Accreditation Project" for accrediting files of graduate education for Benha Faculty of Engineering, Benha University, Benha, Egypt.
- Teaching the following courses for under-graduate students:
 1. *Foundation Engineering,*
 2. *Geotechnical Engineering,*
 3. *Transportation Engineering*
 4. *Advanced Soil Mechanics*
 5. *Advanced Foundation Engineering*
 6. *Harbor and Coastal Engineering*
 7. *Civil Engineering Drawing*
 8. *Engineering Applications*
 9. *Geotechnical and Foundation Engineering Graduation Project.*
 10. *Technical Reports*
- Teaching the following courses for graduate students:
 1. *Applied Geotechnical Engineering*
 2. *Advanced Foundation Engineering (1)*
 3. *Advanced Foundation Engineering (2)*
 4. *Advanced Geotechnical Engineering (1)*
 5. *Advanced Geotechnical Engineering (2)*
 6. *Structural Diploma Project*
 7. *Advanced Topics in Civil Engineering (1)*
- Preparations laboratories files of (requirements, specifications, testing, calibration,... etc.) soil mechanics and foundation Engineering laboratory, surveying laboratory and construction materials laboratory.
- Reviewers of many papers in the following: a) International Journal of Civil Engineering (IJCE), IASET publisher; b) International Journal of Research in Engineering & Technology (Impact : IJRET) publisher; c) The Scientific Conferences of Higher Education Ministry, KSA.

CONSULTING AND RESEARCH PROJECTS

In Egypt

- Manager and Partner in **MAS** for Engineering consultation company (Consulting engineers) in civil engineering works for private and public prjects, Benha, Egypt, carrying out the following works:
 1. Preparation of soil investigation and foundation engineering reports.
 2. Completely design of buildings and structure projects as bearing walls and Skelton of concete or steel works.
 3. Laboratory tests for compaction of subgrade, sub-base and base soil layers. In addition to quality control tests for construction materials.



4. Engineering reports about the building and structure cases for rehabilitation or strengthening.
 5. Design of water supply networks and wastewater collection networks.
 6. Supervision the construction of buildings projects, structure projects and civil works projects.
- Member in laboratories and consulting unit, Benha Faculty of Engineering, Benha University, Benha, Egypt, carrying out the following private or public works:
 1. Preparation of soil investigation and foundation engineering reports.
 2. Design of buildings and structure projects.
 3. Laboratory tests for compaction of subgrade, sub-base and base soil layers. Also, quality control tests for construction materials.
 4. Engineering reports about the case of building structure for rehabilitation or strengthening.
 - Working a part time in a consulting company in design and construction of private and public buildings.

In Japan

Negotiation and studying with graduate students the working in the following projects at the post doctorate period in Japan:

- *"Micropiles foundation in Okayama buildings, using, designing, performing and testing"*, project financially supported by Hirose Company, a specialist company on Micropiles, Japan.
- *"Tunnel projects for highways, structure design, soil exploration, used materials, safety methods"*, project financially supported by Tayca Company, a specialist company on Tunnels, Japan.)

In KSA

Working full time as a structure engineer for design and construction in Beeh consulting engineers, Riyadh, Kingdom of Saudi Arabia (KSA). Many projects were carrying out such as:

- 1) Islamic World Union Buildings, Makka Al-Mukarama, KSA.
 - 2) Deef and Dum Club Buildings, Riyadh, KSA
 - 3) Development of Utaka Central Souq Works, Riyadh, KSA
 - 4) Embassy of Saudia Arabia Kingdom Buildings, Sana'a, Yemen.
 - 5) Development of Al-Tawal Border Center Works, Jazan, KSA.
 - 6) King Fahd Library Buildings, Riyadh, KSA
 - 7) Structure Report about Buildings after 2nd Gulf war in Al-Rakee and Al-Kafje Border Centers, Hafr Al-Baten, KSA.
 - 8) Al-Rass Main Hospital Buildings, Al-Rass, Qassim, KSA.
- The first auther in two scientific projects funded by Northern Border University, KSA.
 - The second auther in three scientific projects funded by Northern Border University, Kingdom of Saudi Arabia.

HONORS AND AWARDS

- Post doctorate fellowship from the Egyptian Ministry of Higher Education to Geotchnical Engineering Laboratory, Graduate School of Environmental Science, Okayam University, Japan.



- Has been selected as a member for testing and equipment calibration in Geotechnical Engineering Laboratory, Graduate School of Environmental Science, Okayama University, Japan.
- Has been selected as a member of Preparations ABET (Accreditation Board for Engineering and Technology, USA) self study for Faculty of Engineering, Northern Border University, KSA.
- Winner of 3rd Prize for the best paper in construction materials (M0031) in International Conference on Geological and Civil Engineering (ICGCE2014), Macau, Hong Kong, January 24-25, 2014.
- Winner the best paper in International Journal of Civil Engineering (IJCE) in International Academy of Science, Engineering and Technology (IASET), 2014.
- Winner the best paper in International Journal of Civil Engineering (IJCE) in International Academy of Science, Engineering and Technology (IASET), 2016.
- Many acknowledgements certificates from Ministry of Foreign Affairs (MOFA) in Saudi Arabia, Assiut University, Banha University, Okayama University, Northern Border University..., etc.

PUBLICATIONS

• Thesis

No.	Article
1	Alnos Aly Easa Hegazy , “ <i>Effect of Wastewater on The Behavior of Fine-Grained Soils</i> ”, M.Sc. Thesis, Benha Higher Institute of Technology, Benha, Ministry of Higher Education, Egypt, 1994.
2	Alnos Aly Easa Hegazy , “ <i>In-Situ and Laboratory Bearing Tests For Estimating Bearing Capacity of Shallow footing Subjected to Inclined loads</i> ”, Ph. D Thesis, Civil Engineering Dept., Faculty of Engineering, Assiut University, Egypt, 1999.

• Papers publicised from M.Sc. Thesis

3	El-Kasaby, E.A.; El-Saadany, M.M.; and Easa, A.A. , “ <i>Influence of Waste Water on Physic-Chemical Properties and Mineralogy of Fine-Grained Soils</i> “, Proceeding of Second Conference on Civil Engineering, Military Technical College, Cairo, Egypt, Vol. II, pp. 123-132, November, 1994.
4	El-Kasaby, E.A.; El-Saadany, M.M.; and Easa, A.A. , “ <i>Influence of Wastewater on Index Properties of Fine-grained Soil</i> “, Proceeding of First International Engineering Conference, Faculty of Engineering, Mansoura University, Mansoura, Egypt, Vol. III, pp. 329-337, March, 1995.
5	El-Kasaby, E.A.; El-Saadany, M.M.; and Easa, A.A. , “ <i>Effect of Wastewater on The Deformational Behavior of Fine-Grained Soil</i> “, Proceeding of Al-Azhar Engineering Fourth International Conference, Faculty of Engineering, Al-Azhar University, Nasr City, Cairo, Egypt, Vol. III, pp. 29-38, December, 1995.
6	El-Kasaby, E.A.; El-Saadany, M.M.; and Easa, A.A. , “ <i>Geotechnical Analysis of The Foundation Soil Affected By Wastewater</i> “, Proceeding of The Sixth Arab Structural Engineering, Faculty of civil Engineering, Demascus University, Vol. 3, pp. 478-489, October, 1995, (in Arabic).

• Papers publicised from Ph.D. Thesis

7	El-Kasaby, E.A.; Ramadan, E.H.; and Easa, A.A. , “ <i>Theoretical Analysis and Two-Dimensional Tests For Bearing Capacity of Shallow Footings on Cohesionless Soil Subjected to Inclined Loads</i> “, Civil Engineering Research Magazine, Faculty of Engineering, Al-Azhar University, Nasr City, Cairo, Egypt, Vol. 24, No. 2, pp. 278-301, April, 1999.
8	El-Kasaby, E.A.; Ramadan, E.H.; and Easa, A.A. , “ <i>In-Situ Study of Footing Displacements under Inclined Loads</i> “, Proceeding of Al-Azhar Engineering Sixth International Conference, Faculty of Engineering Al-Azhar University, Nasr City, Cairo, Egypt, Vol. 3, pp. 15-27, September, 2000.
9	El-Kasaby, E.A.; Ramadan, E.H.; and Easa, A.A. , “ <i>In-Situ Study of Bearing Capacity of Shallow Footings</i> “



Subjected to Inclined Loads”, Proceeding of The Eighth Arab Structural Engineering, Structural Engineering Dept., Faculty of Engineering, Cairo University, Vol. 3, pp. 1085-1098, October, 2000.

• **Papers publicised after Ph.D. Thesis**

10	A. A. Easa , “ <i>In-Situ Tests for Estimating The Effect of Footing Size on Bearing Capacity</i> ”, Ninth International Colloquium on Structural and Geotechnical Engineering, Department of Structural Engineering, Faculty of Engineering, Ain Shams University, Cairo, Egypt, Abstracts and Keynote Lectures No. 79, pp. 1-10, CD, E20-GE08, April, 2001.
11	A. A. Easa and M. E. Basioouny, “ <i>Effect of Wastewater Seepage on Engineering Prooerties of Clayey Soil</i> ”, Fourth International Conference on Civil and Architecture Engineering, Military Technical College, Cairo, Egypt, Vol. 2, GE3, pp. 1-12, May, 2002.
12	M. M. El-Saadany, A. M. Abou-Rayan, and A.A. Easa , “ <i>Effect of Lime on The Collapsibility of Compacted Fine-Sand</i> ”, Civil Engineering Research Magazine, Civil Engineering Dept., Faculty of Engineering, Al-Azhar University, Nasr City, Cairo, Vol. 24, pp. 214-223, June 2002.
13	A. A. Easa and M. E. El-darder, “ <i>In-Situ Investigation of Mineralogical and Chimecal Properties of Clayey Soil Contaminated With Wastewater</i> ”, Engineering Research Journal, Faculty of Engineering, Mataria, University of Helwan, Cairo, Egypt, Vol. 84, pp. 150-161, December, 2002.
14	A. A. Easa , “ <i>Theoretical and experimental analysis of bearing capacity for shallow footings on laterally confinement soft soil</i> ”, First International Conference of Civil Engineering Science, Faculty of engineering, Assuit University, Assuit, Egypt, Vol. 1, pp. 102-112, October, 2003.
15	M. E. Basioouny, and A. A. Easa , “ <i>Analysis of Reasons for Sewer Manholes Collapse by Extended Period Simulation</i> ”, 4 th International Engineering Conference, Mansoura-Sharm El-Shiekh, Faculty of engineering, Mansoura University, Egypt, Vol. (3), pp. C-245 to C-254, April, 2004.
16	A. A. Easa , “ <i>Influence of Wastewater Seepage on Consolidation Process of Clayey Soil</i> ”, 4 th International Engineering Conference, Mansoura-Sharm El-Shiekh, Faculty of engineering, Mansoura University, Egypt, Vol. (3), pp. C-271 to C-283, April, 2004.
17	A. A. Easa , “ <i>Theoretical Analysis and Bearing Tests for Evaluation of Bearing Capacity of Eccentrically Loaded Footings</i> ”, Engineering Research Journal, Faculty of Engineering, Mataria, University of Helwan, Cairo, Egypt, Vol. 95, pp. C171-C187, October, 2004.
18	A.A. Easa , “ <i>Improvement of Soft Clay Compressibility By Using Granular Columns</i> ”, Proceeding of 5 th International Engineering Conference, Mansoura-Sharm El-Shiekh, Faculty of engineering, Mansoura University, Egypt, Vol. 3, pp. 225-239, March 2006.
19	A.A. Easa , “ <i>Consolidation Tests on Sand Columns Model in Soft Clay</i> ”, Engineering Research Journal, Faculty of Engineering, Mataria, University of Helwan, Cairo, Egypt, Vol. 104, April, 2006.
20	A. A. Easa , “ <i>Theoretical Analysis of Buckling for Micropiles Embedded in Weak soil</i> ”, Engineering Research Journal, Faculty of Engineering, Shoubra, University of Benha, Egypt, Vol. 7, pp. 1-16, October, 2006.

• **Papers publicised after Associate Professor**

21	Alnos A. Easa , (2008), “ <i>Collapsibility of Compacted Fine Sand-Bentonite Mixtures</i> ”, Al-Azhar Engineering Tenth International Conference, Cairo, Egypt, Vol. 3, No. 10, pp. 738-747.
22	Alnos Easa and Tetsuya Hanamura, (2009), “ <i>Physical Properties of Wastewater Contaminated Underlying Clayey Soil</i> ”, Journal of Environmental Science for Sustainable Society, JESSS, Japan, V. 3, pp. 9-18.
23	Alnos Easa and Ashraf Abou-Rayan, (2010), “ <i>Domestic Wastewater Effect on the Pollution of the Groundwater Rural Areas in Egypt</i> ”, 14 th International Water Technology Conference, IWTC 2010, Cairo, Egypt, pp. 909-924.



24	<u>Alnos Hegazy</u> , (2011), "Influence of Wastewater –Contaminated Soil on Consolidation Parameters", Journal of Environmental Science for Sustainable Society (JESSS), Japan, Vol. 8, pp. 15-28.
25	<u>Alnos Aly Hegazy</u> , (2012), "A Study of Caves and Collapse of Soil Laves in NBU'S Land, Arar City, KSA", 3 rd Scientific Conference 1433, Ministry of High Education, Kingdom of Saudi Arabia, May 2012, pp. 122-133 (In Arabic).
26	Mohammed A.M. Alghamdi and <u>Alnos A.E. Hegazy</u> , (2013), "Physical Properties of Soil Sediment in WadiArar, Kingdom of Saudi Arabia", International Journal of Civil Engineering (IJCE) ISSN(P): 2278-9987; ISSN(E): 2278-9995, Vol. 2, Issue 5, Nov 2013, pp. 1-8. (Impact factor: 1.8523)
27	<u>Alnos Hegazy</u> and Mohammed Alghamdi, (2014), "Properties of Soil Sediment in Wadi Arar, Kingdom of Saudi Arabia", 2014 International Conference on Geological and Civil Engineering, IPCBEE, Vol.62 IACSIT Press, Singapore DOI: 10.7763/IPCBEE. 2014. V62. 10, pp. 50-54.
28	<u>Alnos Hegazy</u> , (2014), "Chemical analysis of wastewater-contaminated ground soil in Arar, Saudia Arabia", International Journal of Civil Engineering (IJCE), ISSN (P): 2278-9987; ISSN(E): 2278-9995, Vol. 3, Issue 2, pp. 15-24. (Impact factor: 2.6676)
29	<u>Alnos Aly E. Hegazy</u> , (2014), "Coarse Grains Distribution of the Natural Deposits in Arid Areas", International Journal of Research in Engineering & Technology (IMPACT: IJRET), ISSN(E): 2321-8843; ISSN(P): 2347-4599, Vol. 2, Issue 5, May 2014, pp. 153-160. (Impact Factor: 1.5548)
30	<u>Alnos Aly E. Hegazy</u> , (2014), "Analysis of Buckling Load for Micropiles Embedded in A Weak Soil Under Vertical Axial Loads", International Journal of Civil Engineering (IJCE), ISSN (P): 2278-9987; ISSN (E): 2278-9995, Vol. 3, Issue 3, May 2014, pp. 155-166. (Impact factor: 2.6676)
31	<u>Alnos Aly E. Hegazy</u> , (2015), "Improvement of Base and Sub-Base soil Using Steel Slag", International Conference on Advances in Structural and Geotechnical Engineering, ICASGE'15, 6-9 April 2015, Hurghada, Egypt.
32	<u>Alnos Hegazy</u> , (2015), "Analysis of Consolidation Equations of Compressed Clayey Soil", Journal of Environmental Science for Sustainable Society, JESSS, Japan, Vol. 20, pp. 51-61.
33	<u>Alnos Hegazy</u> , Ahmed Mohamady, Ahmed Gamal and Ayman Salm, (2016), "Effect of Chemical Additives on Engineering Properties of Base and Sub-Base Layers", International Journal of Civil Engineering (IJCE), Vol. 5, Issue 5, pp. 1-12, Impact Factor (JCC): 3.2318, NAAS Rating: 2.06.
34	<u>Alnos Aly E. Hegazy</u> , (2016), "Analysis of Piled-Raft Foundations Subjected to General Loading", International Journal of Civil Engineering (IJCE), Vol. 5, Issue 6, pp. 69-82. Impact Factor (JCC): 3.2318, NAAS Rating: 2.06.

• Scientific research reports

31	Mohammed A.M. Alghamdi and <u>Alnos A.E. Hegazy</u> , (2013), "Grain Size Distribution for Meandering System at Arar, Saudia Arabia", Scientific research report supported by deanship of research, Northern Border University (NBU), Kingdom of Saudia Arabia.
32	<u>Alnos A.E. Hegazy</u> and Ashraf Abu-Rayan (2014), "Influence of Wastewater on the Pollution of Soil and Groundwater, Arar City, Saudia Arabia", Scientific research report supported by deanship of research, Northern Border University (NBU), Kingdom of Saudia Arabia.
33	Ashraf Abu-Rayan , <u>Alnos A.E. Hegazy</u> and Osama Hussain, (2014) "Dynamic Characteristics of Floating Offshore Structures to Hydrodynamic Forces", supported by deanship of research, Northern Border University (NBU), Kingdom of Saudia Arabia. (In Progress)



• Scientific research in progress

1	Mohammed A.M. Alghamdi and Alnos A.E. Hegazy , "Shear strength properties of soil deposit in Wadi Arar, Saudi Arabia", supported by deanship of research, Northern Border University (NBU), Kingdom of Saudi Arabia. (In Progress)
2	Alnos A.E. Hegazy and Ashraf Abu-Rayan, "Study factors affecting collapsibility of soil under and around constructions ", supported by deanship of research, Northern Border University (NBU), Kingdom of Saudi Arabia. (In Progress)
3	Ashraf Abu-Rayan , Alnos A.E. Hegazy and Ashraf Y. Hassan, " Tension Leg Platform Behavior under Random Sea Wave Loads", supported by deanship of research, Northern Border University (NBU), Kingdom of Saudi Arabia. (In Progress)

• بعض من المقالات العلمية بمجلة المهندسين

1	د. النص علي عيسى ؛ "التلوث البيئي: ملوثات المياه", مجله المهندسين, 30 شارع رمسيس, القاهرة, السنه الستون, العدد 581, صفحات 78-79, أغسطس, 2004
2	د. النص علي عيسى , "جوله داخل المنشآت المتصدعه: اخطاء الاستخدام السيئ للمبني", مجله المهندسين, 30 شارع رمسيس, القاهرة, السنه الستون, العدد 578, صفحات 27-29, مايو, 2004
3	د. النص علي عيسى , "جوله داخل المنشآت المتصدعه: أخطاء في المواد الخام والاستخدام السيئ للمبني (2)", مجله المهندسين, 30 شارع رمسيس, القاهرة, السنه الستون, العدد 577, صفحات 65-67, أبريل, 2004
4	د. النص علي عيسى , "جوله داخل المنشآت المتصدعه: أخطاء المواد الخام والاستخدام السيئ للمبني (1)", مجله المهندسين, 30 شارع رمسيس, القاهرة, السنه الستون, العدد 575, صفحات 25-28, فبراير, 2004
5	د. النص علي عيسى, "جوله داخل المنشآت المتصدعه: الأخطاء التصميميه", مجله المهندسين, 30 شارع رمسيس, القاهرة, السنه التاسعه و الخمسون, العدد 573, صفحات 74-76, ديسمبر, 2003
6	د. النص علي عيسى, "ملوثات التربه (6): وتأثيرها علي الخصائص الكيمائيه للتربه", مجله المهندسين, 30 شارع رمسيس, القاهرة, السنه التاسعه و الخمسون, العدد 569, صفحات 36-37, أغسطس, 2003
7	د. النص علي عيسى, "ملوثات التربه (5): تأثيرها علي الخصائص الهندسيه للتربه", مجله المهندسين, 30 شارع رمسيس, القاهرة, السنه التاسعه و الخمسون, العدد 568, صفحات 20-21, يوليو, 2003
8	د. النص علي عيسى, "ملوثات التربه (4): المصادر وتأثيرها علي التربه", مجله المهندسين, 30 شارع رمسيس, القاهرة, السنه التاسعه و الخمسون, العدد 567, صفحات 76-79, يونيو, 2003
9	د. النص علي عيسى, "ملوثات التربه (3): المصادر والمكونات الكيمائيه", مجله المهندسين, 30 شارع رمسيس, القاهرة, السنه التاسعه و الخمسون, العدد 566, صفحات 46-48, مايو, 2003
10	د. النص علي عيسى, "ملوثات التربه (2): المصادر والمكونات الكيمائيه", مجله المهندسين, 30 شارع رمسيس, القاهرة, السنه التاسعه و الخمسون, العدد 564, صفحات 20-23, مارس, 2003
11	د. النص علي عيسى, "تلوث التربه بمياه الصرف: خطر يهدد المباني والمنشآت", مجله المهندسين, 30 شارع رمسيس, القاهرة, السنه الثامنه و الخمسون, العدد 560, صفحات 46-48, نوفمبر, 2002